

Add Digits [\(View\)](#)

Given an integer `num`, repeatedly add all its digits until the result has only one digit, and return it.

Example 1:

Input: `num = 38`

Output: `2`

Explanation: The process is

`38 --> 3 + 8 --> 11`

`11 --> 1 + 1 --> 2`

Since 2 has only one digit, return it.

Example 2:

Input: `num = 0`

Output: `0`

Constraints:

- `0 <= num <= 231 - 1`

Follow up: Could you do it without any loop/recursion in `O(1)` runtime?